

Ansys Installation Guide for version 2024 R2 on Linux–

Step 1- Download ANSYS2024R2_LINX64_DISK1.iso, ANSYS2024R2_LINX64_DISK2.iso, ANSYS2024R2_LINX64_DISK3.iso, ANSYS2024R2_LINX64_DISK4.iso LINUX version and Ansys_2024a_dependencies.sh from the ISTF website under the Software category

Step 2- Installation Prerequisites for Linux. To install Ansys on ubuntu, run below commands first-

- `sudo apt-get update`
- `sudo chmod +x Ansys_2024a_dependencies.sh`
- `Sudo sh -x Ansys_2024a_dependencies.sh`

Step 2- Create tmp directory and mount the iso in it,

```
mkdir /tmp/disk1
```

```
mkdir /tmp/disk2
```

```
mkdir /tmp/disk3
```

```
mkdir /tmp/disk4
```

Step 3- Go to downloads directory using the below command

```
cd /home/student/Downloads
```

Step 4- Mount all the ISO files using in the below command-

```
mount -o loop ANSYS2024R2_LINX64_DISK1.iso /tmp/disk1
```

```
mount -o loop ANSYS2024R2_LINX64_DISK2.iso /tmp/disk2
```

```
mount -o loop ANSYS2024R2_LINX64_DISK3.iso /tmp/disk3
```

```
mount -o loop ANSYS2024R2_LINX64_DISK4.iso /tmp/disk4
```

Step 5- Once Mounted, go to tmp/disk1 directory

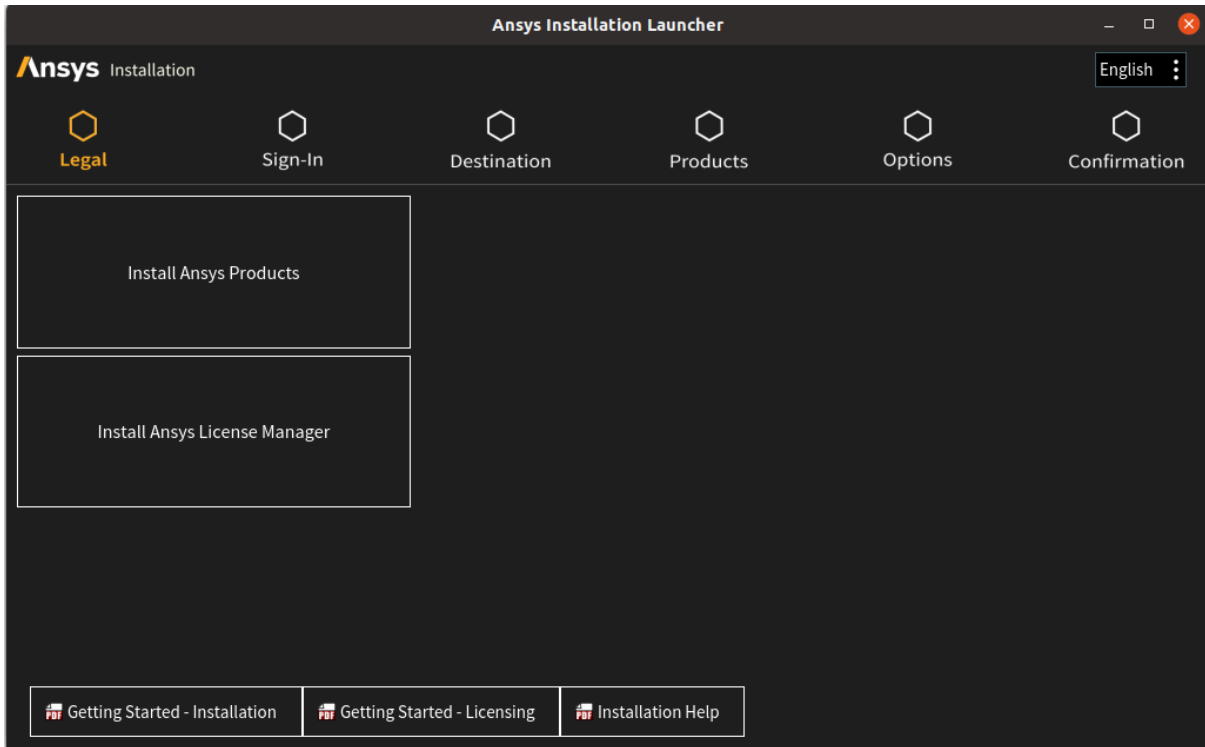
```
cd /tmp/disk1
```

Step 6- Enter the below command to initiate installation in UI mode-

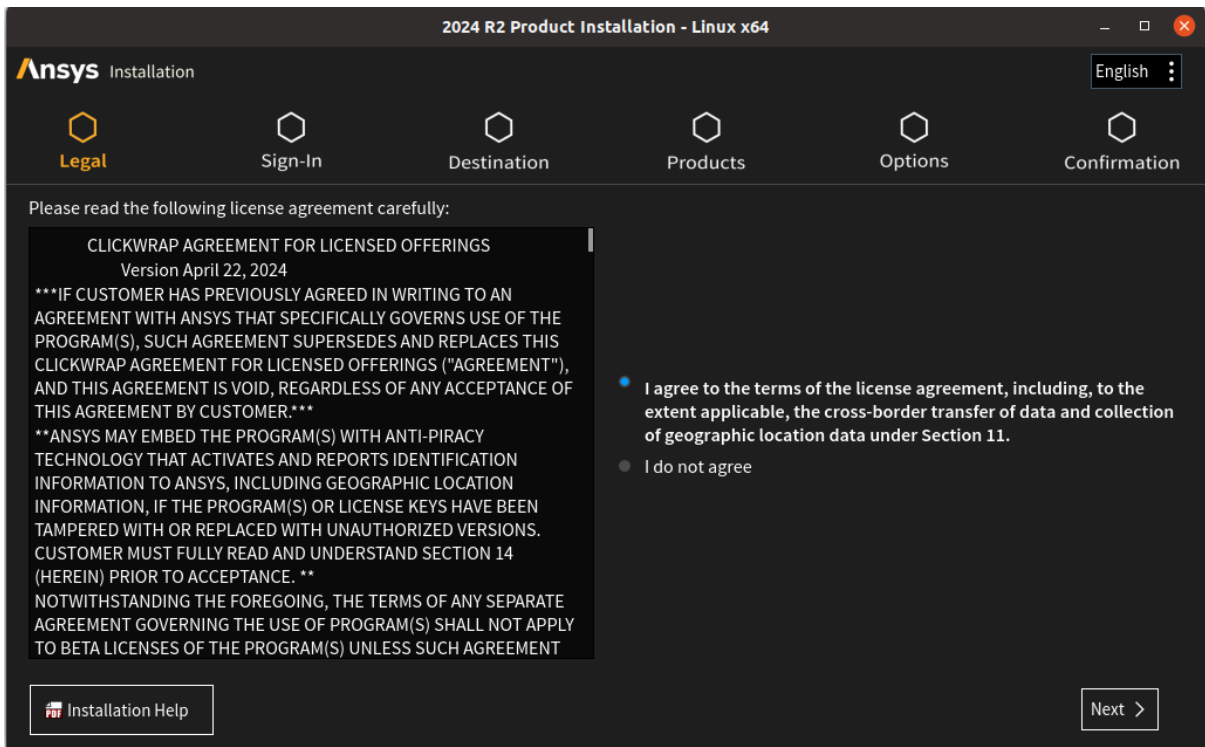
```
sudo ./INSTALL
```

This command will open the installation in UI mode.

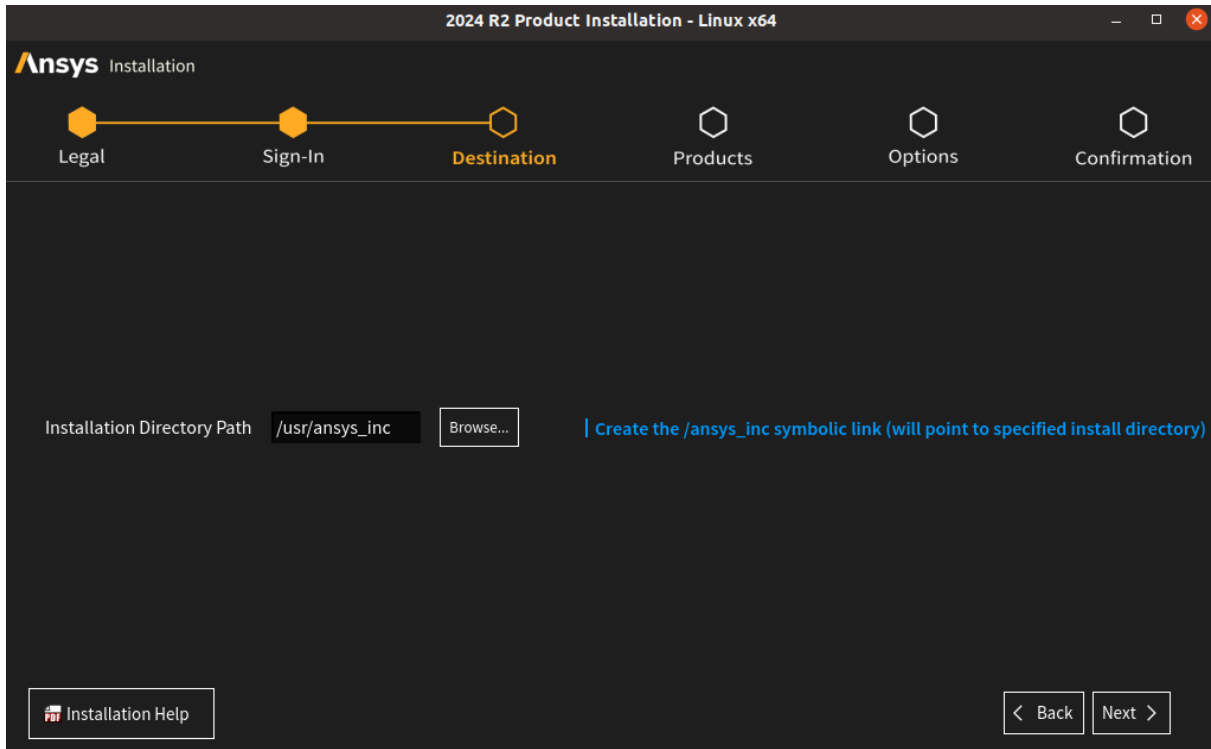
Step 7- Select “Install Ansys Products”



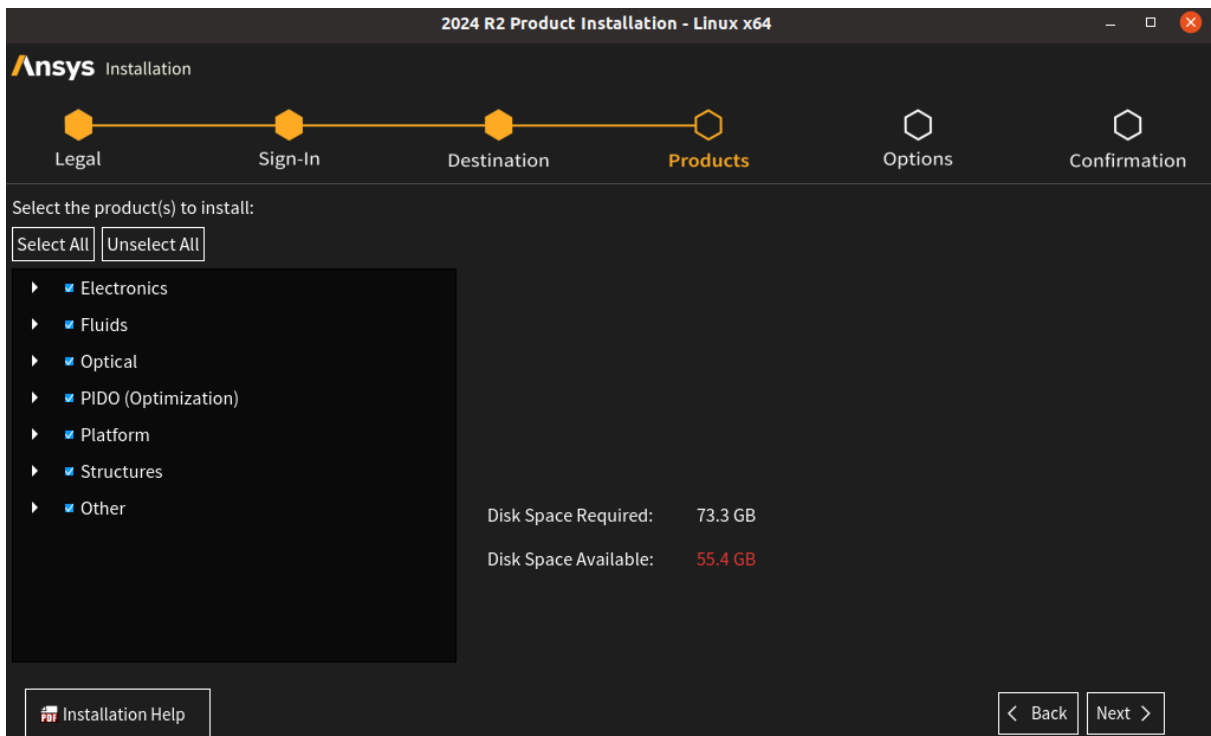
Step 8- Select “I agree” and click on the Next button.



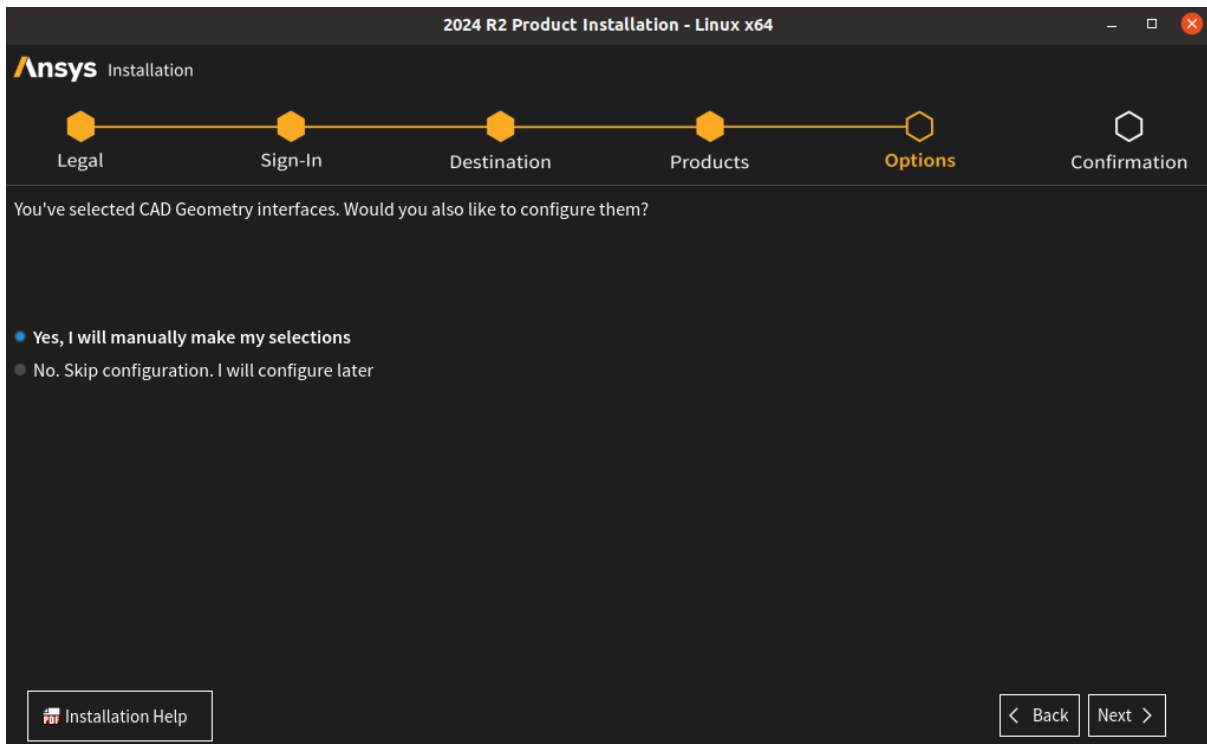
Step 9- Click on the Next button.



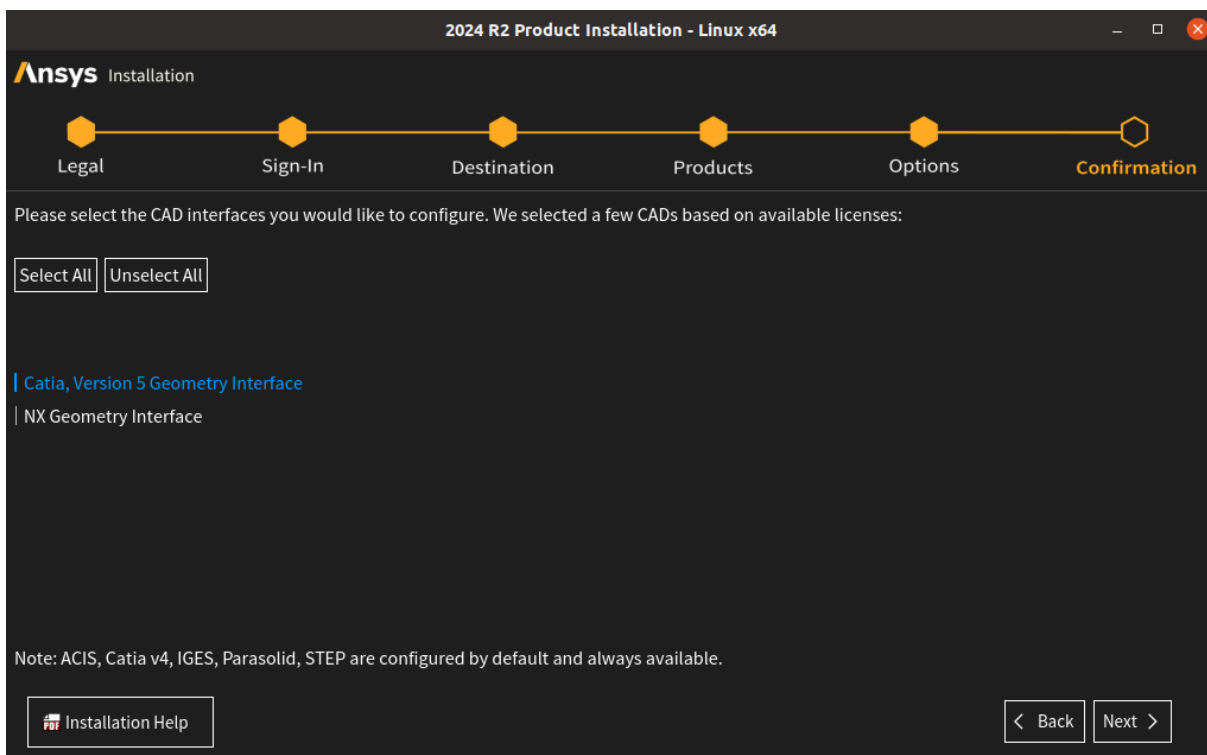
Step 10- Select the products per your requirements or as given in the picture below and click on the Next button.



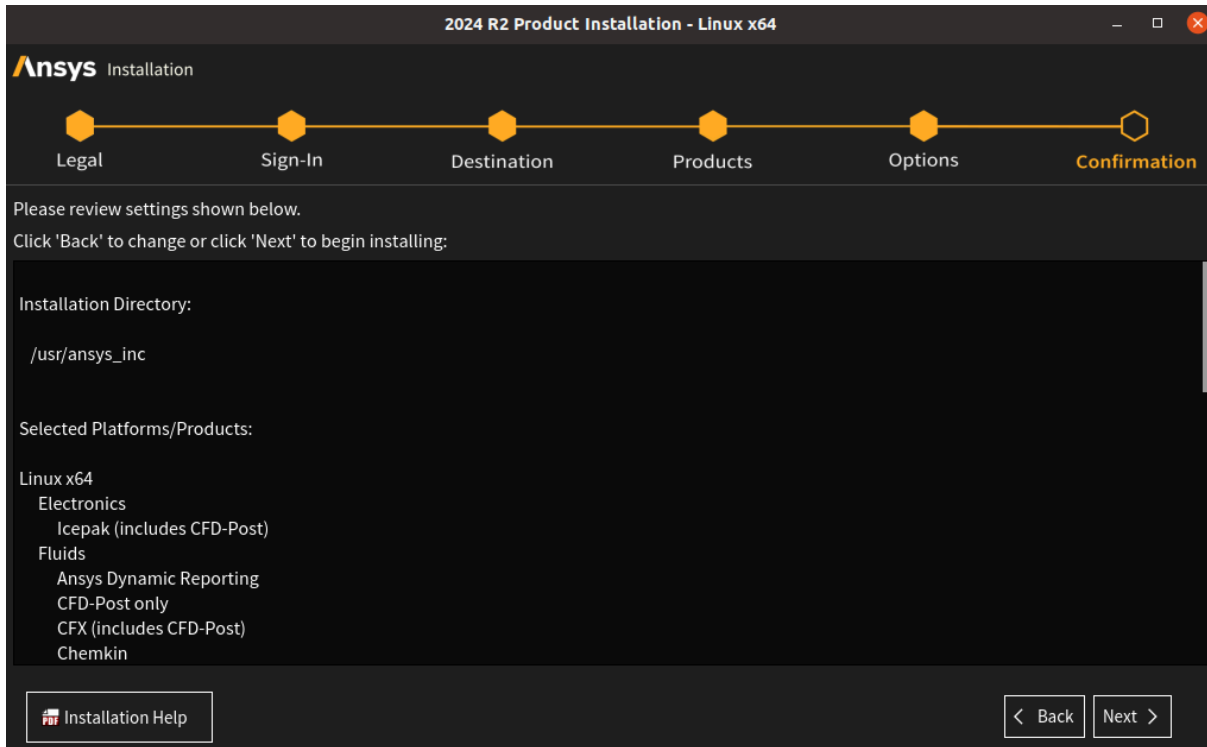
Step 11- Select “Yes, I will manually make my selections” and click on the Next button.



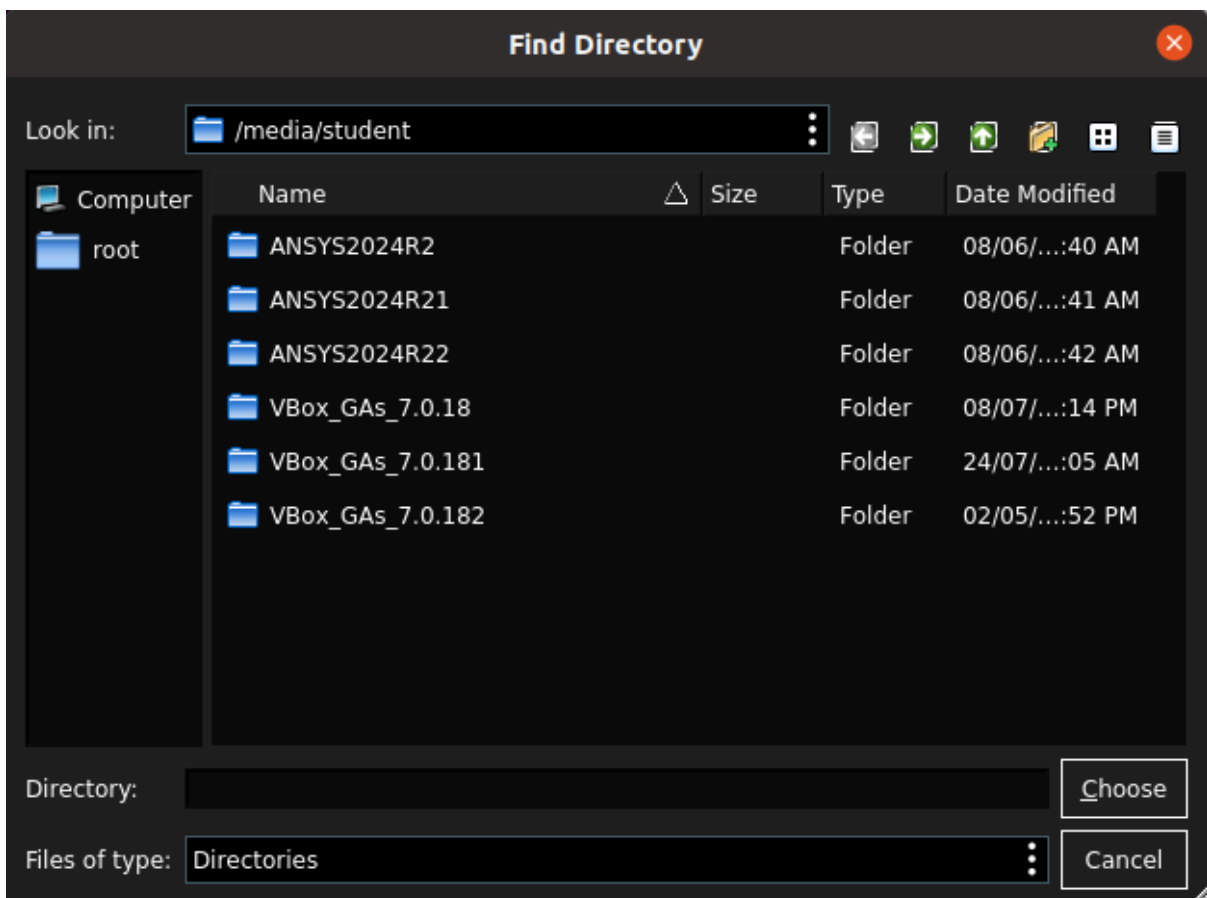
Step 12- Deselect NX Geometry Interface and Click on the Next button.



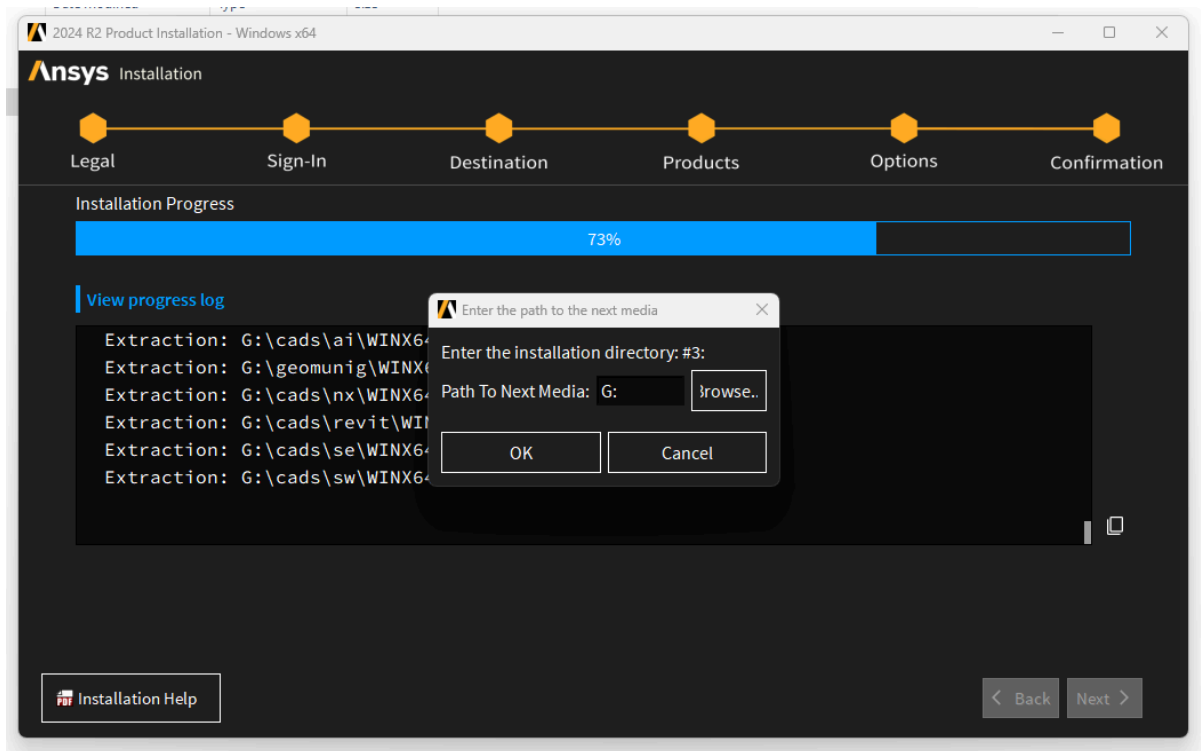
Step 13- Click on the Next button.



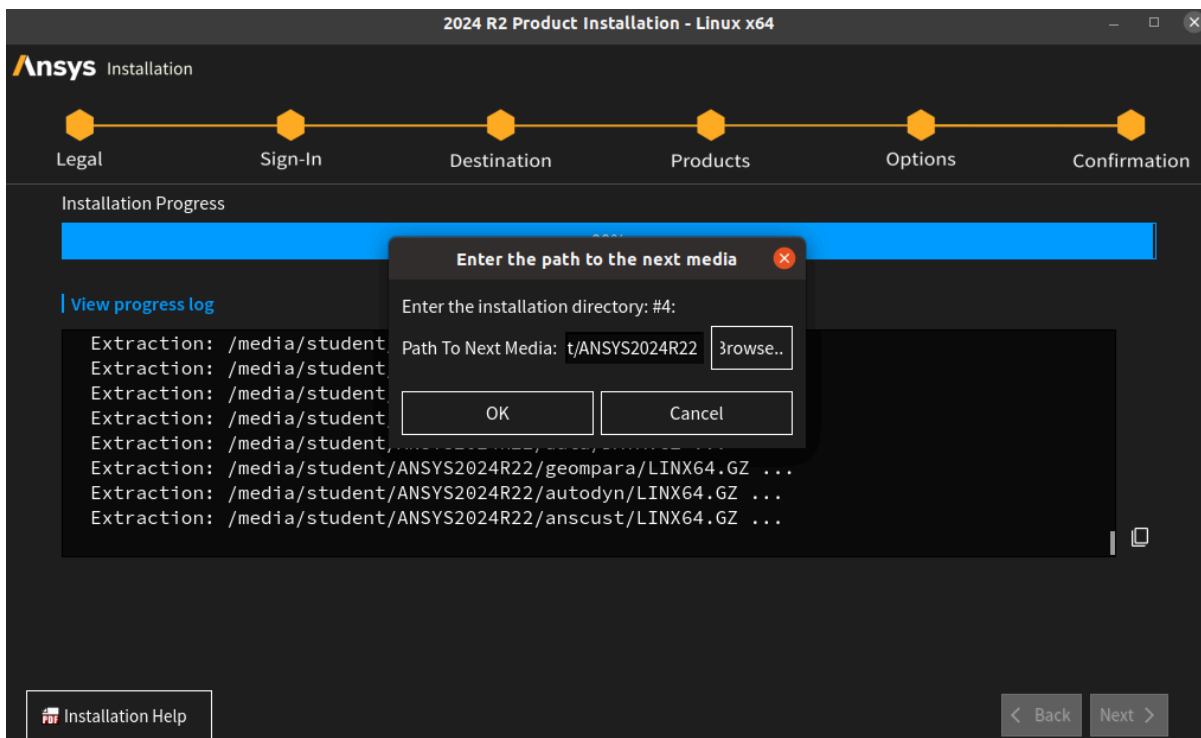
Step 14- Wait for the installation to start. After half the installation, it will ask to browse the next installation media. Browse the Disk2 and click choose and ok.

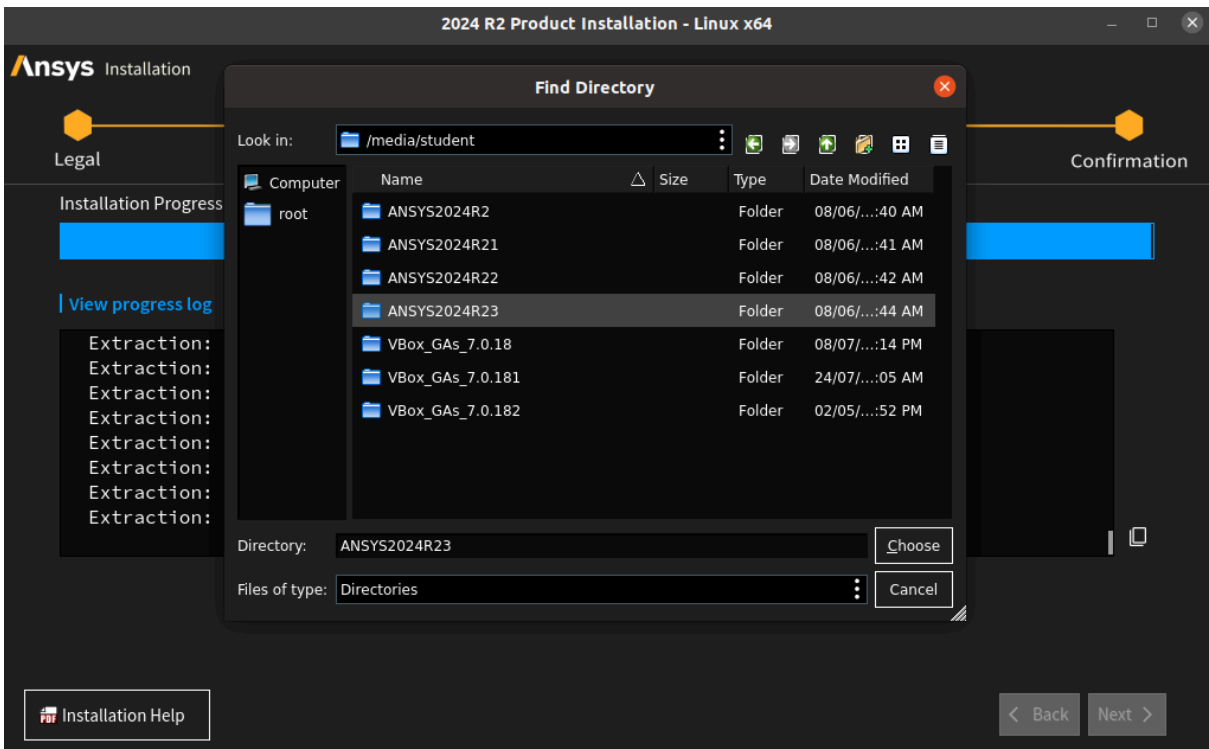


Step 15- It will ask to browse the next installation media. Browse the Disk3 and click choose and ok.

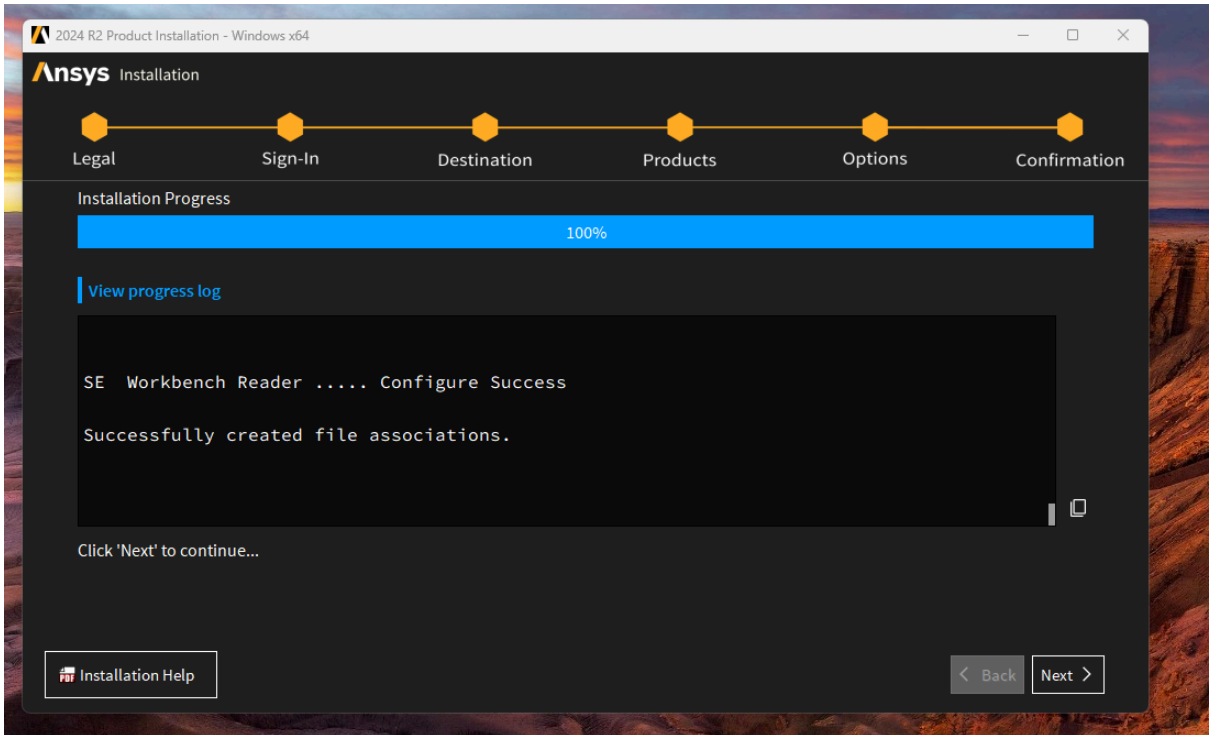


Step 16- It will ask to browse the next installation media. Browse the Disk4 and click choose and ok.

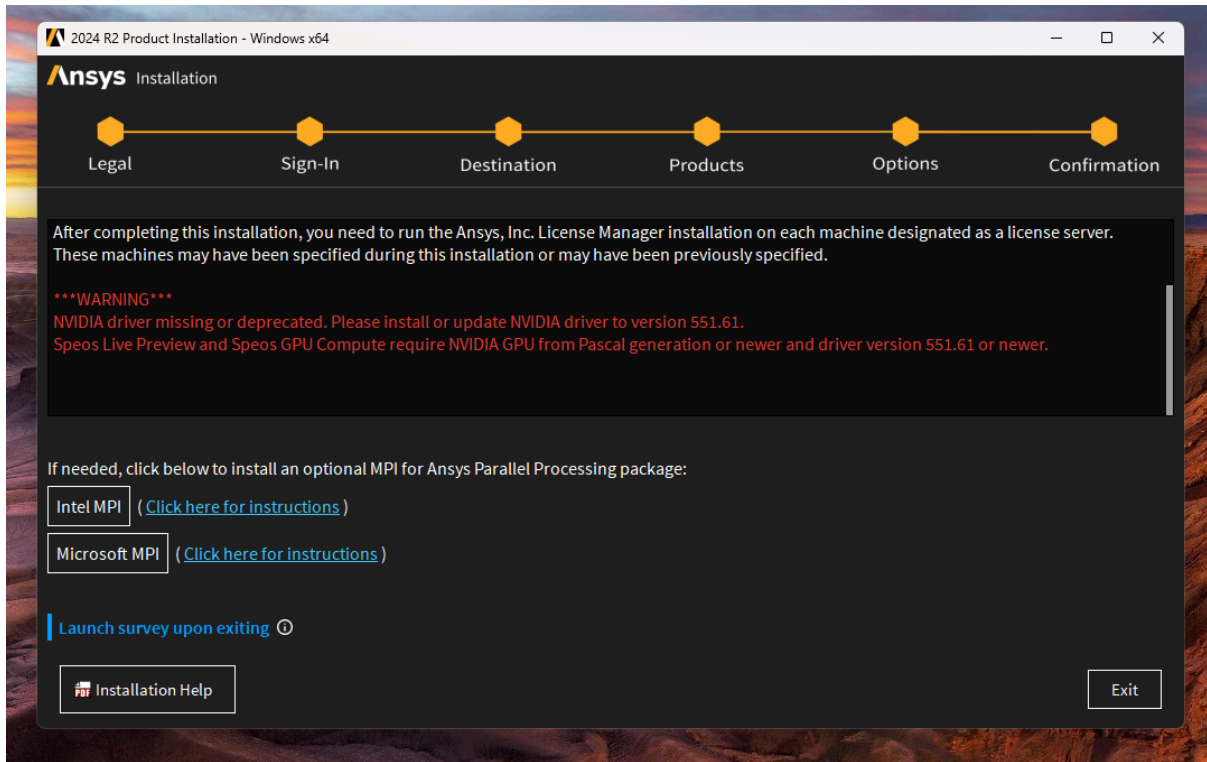




Step 17- Click on the Next button



Step 18- Click the Exit button to finish the installation.



After completing this installation, the system will launch Licensing settings with a white blank screen, this can be closed.

Step 19- After the installation, go to the licensing directory

```
cd /ansys_inc/shared_files/licensing
```

Create a file using below command to fetch license from server

```
sudo nano ansyslmd.ini
```

Add the following lines-

```
SERVER=1055@10.0.137.110
```

```
ANSYSLI_SERVERS=2325@10.0.137.110
```

Save and exit

Step 20- To open a Ansys module, use the below commands.

The paths specified assume that you installed the product using the symbolic link to /ansys_inc. If you did not, substitute your installation path for the path given below.-

```
istf@istf-ThinkCentre-M90:~$ cd /ansys_inc/v242/Framework/bin/Linux64/
istf@istf-ThinkCentre-M90:/ansys_inc/v242/Framework/bin/Linux64$ ./runwb2
```

Table 5.1: Startup Commands

Product	Command1	Command2
Mechanical APDL	CD /ansys_inc/v242/ansys/bin/	./ansys242
Ansys Workbench	CD /ansys_inc/v242/Framework/bin/<platform>/	./runwb2
Ansys CFX	CD /ansys_inc/v242/CFX/bin/	./cfx5
Ansys Fluent	CD /ansys_inc/v242/fluent/bin/	./fluent
Ansys ICEM CFD	CD /ansys_inc/v242/icemcfd/<platform>/bin/	./icemcfd
Ansys Motion	CD /ansys_inc/v242/Motion/solver/	./rundfs.sh
Ansys Polyflow	CD /ansys_inc/v242/polyflow/bin/	./polyman
Ansys CFD-Post	CD /ansys_inc/v242/CFD-Post/bin/	./cfdpost
Ansys Icepak	CD /ansys_inc/v242/Icepak/bin/	./icepak
Ansys TurboGrid	CD /ansys_inc/v242/TurboGrid/bin/	./cfxtg
Ansys Autodyn	CD /ansys_inc/v242/autodyn/bin/	./autodyn242
Ansys ACP	CD /ansys_inc/v242/ACP/	./ACP.sh
Ansys Sherlock	CD /ansys_inc/v242/sherlock/	./runSherlock